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L3 ANSWER 47 OF 114 CA COPYRIGHT 1999 ACS
AN 101:27545 CA
TI Calcium silicate hydrate products
PA Asahi Chemical Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
IC C04B015-06

CC 58-4 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59045953	A2	19840315	JP 1982-150653	19820901
AB	Ca silicate gel, siliceous substances and/or CaO, water, and reinforcing materials are mixed, molded to blocks, cut, and treated with satd. steam in autoclaves to give Ca silicate hydrate products. Thus, diatomaceous earth 100, Ca(OH) ₂ 80, and water 540 parts were mixed,				

heated

at 90.degree. for 3 h, mixed with portland cement 50, silica stone powder 50, and pulp 4 parts, shaped to blocks at 40.degree., cut, treated with satd. steam at 180.degree. in an autoclave for 10 h, and dried at 110.degree. to obtain a fire-resistant product with bulk d. 0.50, bending strength 29.0 kg/cm², and thermal cond. 0.085 kcal/m-h-degree.

ST calcium silicate hydrate shaped
IT Cement

amplified
mat'l